INTERNATIONAL SEARCH REPORT

Ir Ional Application No FC1/IB2004/050409

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B20/12 G11B27/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G11B} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2003/068159 A1 (DE HAAN WIEBE) 10 April 2003 (2003-04-10) abstract paragraph '0001! - paragraph '0006! paragraph '0036! - paragraph '0051! paragraph '0077! - paragraph '0091!	1,3,4, 6-8 2,5
Y	figures 3,10 US 5 978 336 A (TAKEDA TORU ET AL) 2 November 1999 (1999-11-02) abstract column 3, line 34 - column 7, line 18 figures 2-11	2,5
	-/	

•			
Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document reterring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search 20 July 2004	Date of mailing of the international search report 09/08/2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Sucher, R		

INTERNATIONAL SEARCH REPORT

Int onal Application No
PC1/1B2004/050409

C (C*-	Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
Category °							
Y							
	EP 0 908 882 A (SONY CORP) 14 April 1999 (1999-04-14) abstract paragraph '0001! - paragraph '0009! paragraph '0047! - paragraph '0051! figure 9	2,5					
	·						

INTERNATIONAL SEARCH REPORT

Ini ional Application No PCI/IB2004/050409

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2003068159	A1	10-04-2003	CA WO	2462224 A1 03030173 A2	10-04-2003 10-04-2003
US 5978336	A	02-11-1999	JP	10112166 A	28-04-1998
EP 0908882	Α	14-04-1999	JP CN EP US	11086418 A 1213124 A 0908882 A2 6243338 B1	30-03-1999 07-04-1999 14-04-1999 05-06-2001